Problems with AE 540 -
Factory preset USA frequency range

Problem:

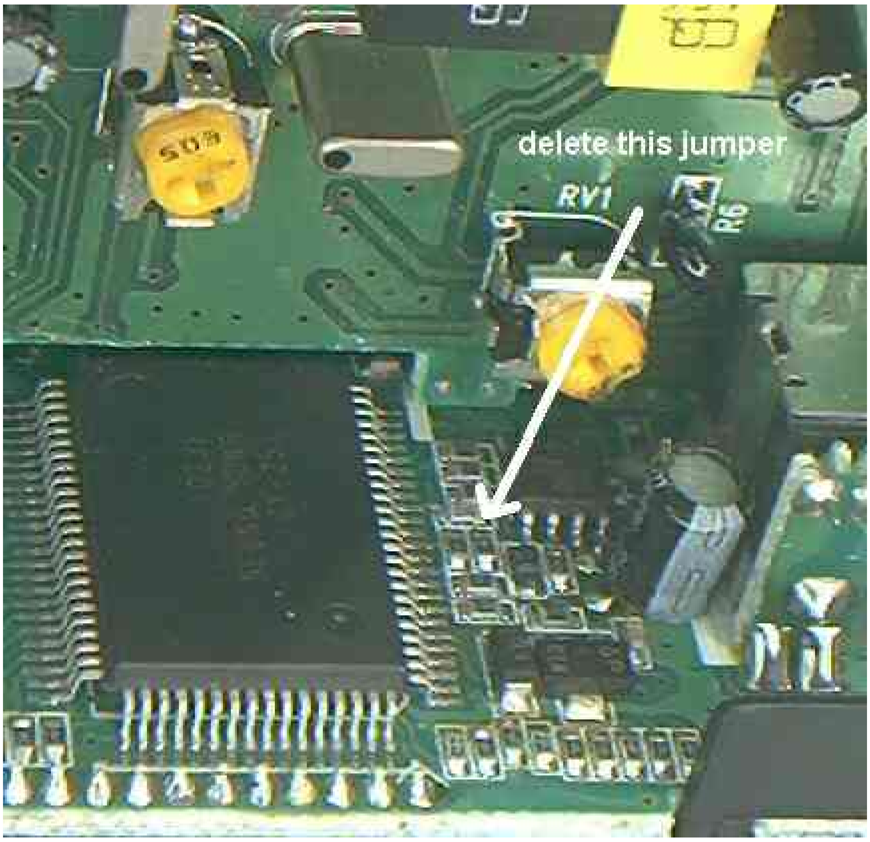
In transmit mode the frequency limits are only between
144 and 148 MHz, while reception is still tunable between 136 and 174 MHz

Solution:

On the inner side of the front PCB (opening of speaker-side cabinet necessary)
is a zero-Ohms SMD resistor as jumper, which is nowhere mentioned in the documentation. The jumper is between CPU and channel switch, situated between R 206 and R 203/207. Please see photo and markings.

After deleting this jumper (unsolder carefully!) the radio operates in the whole frequency range TX and RX
126 - 174MHz.

Note: European regulations about radio amateur service do not allow use of extended frequency range transceivers in all countries! Please read national instructions before using extended transceiver equipments !



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